

AMENDMENTS TO THE CLAIMS:

The following listing of claims replaces all prior versions of the claims.

LISTING OF CLAIMS:

1-64. (canceled)

65. (previously presented) A purified HIV-1 virus,

wherein said virus encodes an HIV-1_{ELI} variant Env protein having the following amino acid residues: S⁶³, E⁶⁵, I⁷¹, I⁸⁷, E⁹⁰, D²⁴⁵, K²⁴⁷, and E⁵²⁶,

wherein said amino acid residues are set forth in Figures 3E and 3F.

66. (previously presented) The purified virus of claim 65,

wherein said HIV-1_{ELI} variant Env protein has the following amino acid residues: S⁶³, E⁶⁵, I⁷¹, I⁸⁷, A/E⁸⁸, E⁹⁰, D²⁴⁵, K²⁴⁷, I/M²⁸⁶, Q/R⁵⁰⁹, E⁵²⁶, and K/Q⁶⁹⁷,

wherein said amino acid residues are set forth in Figures 3E and 3F.

67. (previously presented) The purified virus of claim 65,

wherein said HIV-1_{ELI} variant Env protein has the following amino acid residues: S⁶³, E⁶⁵, A⁶⁸, I⁷¹, I⁸⁷, A/E⁸⁸, E⁹⁰, A²¹⁵, R²⁴⁴, D²⁴⁵, K²⁴⁷, I/M²⁸⁶, Q/R⁵⁰⁹, R⁵¹⁹, E⁵²⁶, and K/Q⁶⁹⁷,

wherein said amino acid residues are set forth in Figures 3E and 3F.

68. (new) The purified virus of claim 67,

wherein said HIV-1_{ELI} variant Env protein has the following amino acid residues at positions 37-130:

LWVTVYYGVPWKEATTTLFCASDAKSYETEAHNIWATHACVPTDPNPQEIAL
ENVTFNFMWKNNMVEQMHEDIISLWDQSLKPCVKLTPLCV.

69. (new) The purified virus of claim 67,

wherein said HIV-1_{ELI} variant Env protein has the following amino acid residues at positions 211-289:

CNTSAITQACPKVSFEPIPIHYCAPAGFAILKCRDCKFNGTGPCTNVSTVQCTH
GIRPVVSTQLLLNGSLAEEEVIIIRS.

70. (new) The purified virus of claim 67,

wherein said HIV-1_{ELI} variant Env protein has the following amino acid residues at positions 488-530:

RPGGGDMRDNWRSELYKYKVQIEPLGVAPTRAKRRVVEREKR.

71. (new) The purified virus of claim 67,

wherein said HIV-1_{ELI} variant Env protein has the following amino acid residues at positions 680-700:

LLELDKWASLWNWFSITQWLW.

72. (new) The purified virus of claim 65,

wherein said HIV-1_{ELI} variant Env protein has the following amino acid residues at positions 37-130, 211-289, and 488-530:

LWVTVYYGVPWKEATTTLFCASDAKSYETEAHNIWATHACVPTDPNPQEIAL
ENVTFENFMWKNNMVEQMHEDIISLWDQSLKPCVKLTPLCV;

CNTSAITQACPKVSFEPIPIHYCAPAGFAILKCRDCKFNGTGPCTNVSTVQCTH
GIRPVVSTQLLLNGSLAEEEVIIIRS; and

RPGGGDMRDNWRSELYKYKVQIEPLGVAPTRAKRRVVEREKR.